

Additional File 4.

Functional categories of the cecal microbiota of the flying squirrel, according to the KEGG database.

Code and description of functional categories	No. hits	(%)
Metabolism	3,124	(73.7)
1.1 Carbohydrate metabolism	564	(13.31)
1.2 Energy metabolism	245	(5.78)
1.3 Lipid metabolism	114	(2.69)
1.4 Nucleotide metabolism	255	(6.02)
1.5 Amino acid metabolism	554	(13.07)
1.6 Metabolism of other amino acids	93	(2.19)
1.7 Glycan biosynthesis and metabolism	93	(2.19)
1.8 Metabolism of cofactors and vitamins	179	(4.22)
1.9 Metabolism of terpenoids and polyketides	70	(1.65)
1.10 Biosynthesis of other secondary metabolites	63	(1.49)
1.11 Xenobiotics biodegradation and metabolism	143	(3.37)
1.12 Overview	751	(17.72)
Genetic information processing	502	(11.84)
2.1 Transcription	21	(0.5)
2.2 Translation	146	(3.44)
2.3 Folding, sorting and degradation	103	(2.43)
2.4 Replication and repair	232	(5.47)
Environmental information processing	346	(8.16)
3.1 Membrane transport	231	(5.45)
3.2 Signal transduction	108	(2.55)
3.3 Signaling molecules and interaction	7	(0.17)
Cellular processes	122	(2.88)
4.1 Transport and catabolism	18	(0.42)
4.2 Cell motility	28	(0.66)
4.3 Cell growth and death	70	(1.65)
4.4 Cell communication	6	(0.14)
Organismal systems	69	(1.63)
Human diseases	76	(1.79)